

- a. a base;
 - b. a detachable head; and
 - c. means, mounted on the base, for supporting the detachable head and for urging the detachable head against the tree;
- the detachable head being constructed and arranged for attachment to the tree while the tree is being felled, and for separation from the rest of the tree pusher and remaining attached to the tree as the tree falls.

[Claim 2] 2. A tree pusher, comprising:

- a. a base;
- b. a screw-type propeller jack, pivotally mounted on the base, for urging the tree pusher against the tree;
- c. a first tube having first and second ends, the first end of the first tube being connected to the jack;
- d. a second tube having first and second ends, the second tube having a smaller cross-sectional-area than the first tube, the first end of the second tube being disposed in and fastened to the second end of the first tube;
- e. a detachable head, constructed and arranged for engaging the tree, for disposition in the second end of the second tube while the tree is being felled, and for disengagement from the second end of the second tube as the tree falls, the detachable head remaining attached to the tree as the tree falls; and
- f. a base for the detachable head, the base for the head being fastened to the second end of the second tube, and providing means for movable disposition of the detachable head in the second tube.

[Claim 3] 3. The tree pusher of claim 2, wherein the detachable head comprises:

- g. a cylindrical rigid elongated member;
- h. a plate fastened to one end of the elongated member; and
- i. a plurality of prongs fastened to the plate, the prongs being constructed and arranged to embed themselves in the wood of a tree being felled.

[Claim 4] 4. The tree pusher of claim 3, wherein each prong and the rigid elongated member define therebetween an angle of from about five to about thirty degrees.

[Claim 5] 5. The tree pusher of claim 3, wherein the base for the detachable head comprises:

- j. a cylindrical tube, for movable disposition therein of the cylindrical rigid elongated member of the detachable head; and
- k. a plate, fastened to one end of the tube, and including a circular opening for insertion therethrough of the cylindrical rigid elongated member of the detachable head.

[Claim 6] 6. A detachable head for a tree pusher, the detachable head comprising:

- a. a cylindrical rigid elongated member;
- b. a plate fastened to one end of the elongated member; and
- c. a plurality of prongs fastened to the plate, the prongs being constructed and arranged to embed themselves in the wood of a tree being felled.

[Claim 7] 7. The detachable head of claim 6, wherein each prong and the rigid elongated member define therebetween an angle of from about five to about thirty degrees.

ABSTRACT

[Para 47] A tree pusher for safely felling a tree. The tree pusher includes (a) a base, (b) a frame, and (c) a detachable pronged head for gripping the tree